# Spectrophotometric assays in the control of oral anticoagulant therapy

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# SPECTROPHOTOMETRIC ASSAYS IN THE CONTROL OF ORAL ANTICOAGULANT THERAPY.

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Spectrophotometric methods were used to assay the clotting factors II,VII,IX and X in plasma of 33 human donors and in plasma of 98 patients receiving longterm oral anticoagulant therapy. In 33 normal subjects the inter-individual variations in the plasma activities of the clotting factors II, VII,IX and X are respectively 11%,21%,10% and 15%.

For the 98 patients receiving anticoagulant therapy Thrombotest values were compared to the activities of the vitamin K dependent factors, as assayed with spectrophotometric methods. The factors II and X were assayed with commercially available test-kits (Factor II, Boehringer Mannheim; Factor X,Kabi AB).

Chromogenic activities of the different factors were correlated among each other and with 1/Thrombotest values.

We conclude that factor II but also factor X chromogenic activity in plasma can be used to monitor patients receiving longterm anticoagulant therapy, whereas factor IX should be preferred to monitor patients receiving oral anticoagulants during a short period of time.

Para clasificación de temas: (ver instrucciones)
Indique 3 palabras clave
Indicate 3 key words
1 Factors II,VII,IX,X
2 Anticoagulants
3 Chromogenic substrates
Preferred categories for inclusion of the communication
1 12 C
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EJEMPLO / EXAMPLE

ADHESION OF HUMAN BLOOD PLATELETS TO ARTIFICIAL SURFACES. Garcia, P.*, Smith, R.** and Proust, M.***. * Centro Hospitalario del Mediodía, Toledo, Spain. ** American Red Cross Hospital, Boston, USA. *** Hôpital St. Antoine, Lyon, France.

The interaction of suspensions of washed human blood platelets with three artificial surfaces: Glass, polystyrene, and polyvinyl chloride has been studied "in vitro". Platelet adhesion and release from adherent platelets...

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